

Technics

Portable CD Player

SL-XP570

Operating Instructions



COMPACT
disc
DIGITAL AUDIO

Note:

The "EB" indication shown on the packing case indicates United Kingdom.

Before connecting, operating or adjusting this product, please read these instructions completely.

E EB GC GN

RQT2165-B

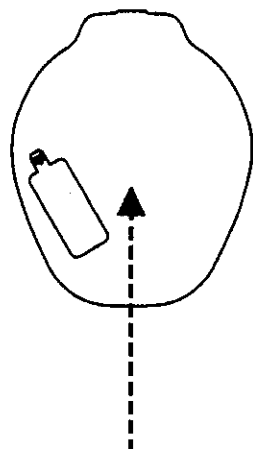
Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully.

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Bottom of the unit
Apparatens undersida
Komponentens underside
Produktets underside



**CLASS 1
LASER PRODUCT**

LUOKAN 1 LASERLAITE KLASS 1 LASER APPARAT

Marking sign is located on bottom of the unit.

CAUTION:

The AC voltage is different according to the area.

Be sure to set the proper voltage in your area before use.

(For details, please refer to the page 8.)

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

ADVARSEL:

FOR AT REDUCERE RISIKOEN FOR BRAND OG ELEKTRISKE STØD MÅ DETTE APPARAT IKKE UDSÆTTES FOR REGN ELLER FUGT.

VAROITUS:

TULIPALO- JA SÄHKÖISKUVAARAN VÄLTTÄMISEKSI ÄLÄ SAATA TÄTÄ LAITETTA ALTTIIKSI SATEELLE TAI KOSTEUELLE.

CAUTION!

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

DANSK

BEMÆRK!

I DETTE APPARAT ANVENDES EN LASER.

BRUG AF BETJENINGSKNAPPER ELLER REGULERINGER ELLER FREMGANGSMÅDER UDOVER DE I DENNE BETJENINGSVEJLEDNING ANGIVNE, KAN MEDFØRE FARE FOR BESTRÅLING. ÅBN IKKE KABINETTET OG FØRSØG IKKE AT UDFØRE REPARATIONER SELV. REPARATIONER MÅ KUN FORETAGES AF KVALIFICEREDE TEKNIKERE.

SUOMI

VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

NORSK

ADVARSEL!

DETTE PRODUKTET ANVENDER EN LASER.

BETJENING AV KONTROLLER, JUSTERINGER ELLER ANDRE INNGREP ENN DE SOM ER BESKREVENT I DENNE BRUKSANVISNING, KAN FØRE TIL FARLIG BESTRÅLING.

DEKSLER MÅ IKKE ÅPNES, OG FØRSØK ALDRI Å REPARERE APPARATET PÅ EGENHÅND.

ALT SERVICE OG REPARASJONSARBEID MÅ UTFØRES AV KVALIFISERT PERSONELL.

ADVARSEL: USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

(Påsat under apparatet)

DANGER-Invisible laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

(Bottom of the product)

VARO! Avattaessa ja suojalkitus ohitettaessa olet alttiina näkymätön lasersäteilylle. Älä katso säteeseen.

WARNING! Osynlig laserstråling når denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

ADVERSEL! Usynlig laserstråling når deksel åpnes og sikkerhetslås brytes. Unngå eksponering for strålen.

(Tuotteen pohjassa)

(Apparatens undersida)

(Produktets underside)

Supplied Accessories

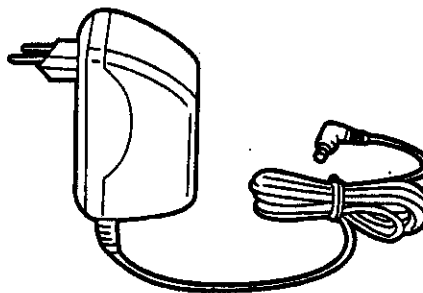
Check the packing carton for these accessories.

- ① AC adaptor 1 pc.
- ② Stereo earphones
with remote controller 1 pc.
- ③ Rechargeable batteries 2 pcs.
- ④ Stereo connection cable 1 pc.
- ⑤ Power plug adaptor 1 pc.
(For areas except Continental Europe,
United Kingdom and Australia)

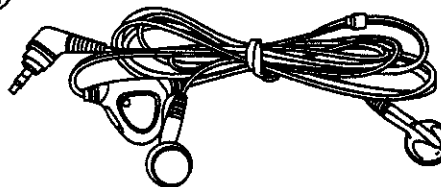
Note:

The configuration of the AC adaptor differs according to area.

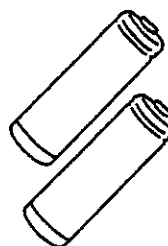
①



②



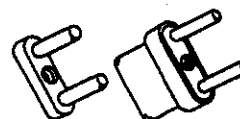
③



④



⑤



Location of Controls

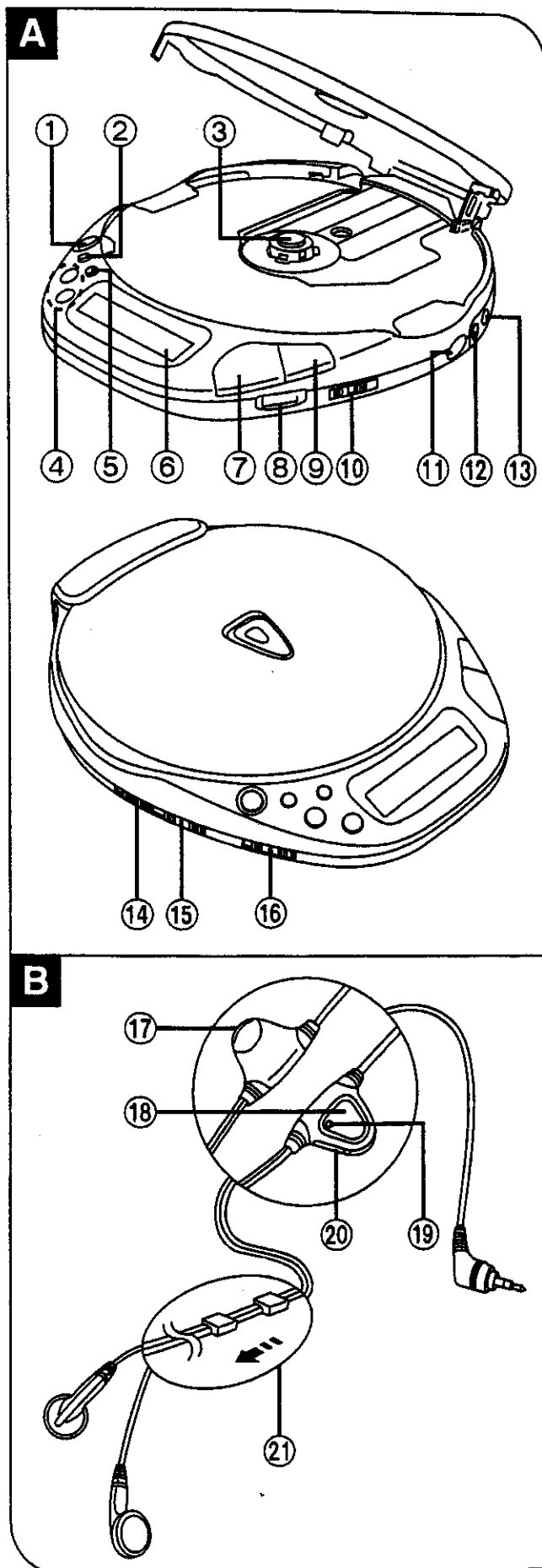
Portable CD player **A**

- ① Open button (OPEN)
- ② Memory/recall button (MEMORY/RECALL)
- ③ Push button (PUSH)
- ④ Skip/search buttons (◀◀-SKIP/-SEARCH▶▶)
- ⑤ Repeat button (REPEAT)
- ⑥ Display
- ⑦ Play/pause button (▶ || PLAY/PAUSE)
- ⑧ Earphones/headphones volume control (VOLUME)
- ⑨ Stop/operation off button (■ STOP/OPR OFF)
- ⑩ ASC/S-XBS selector (ASC, S-XBS, OFF)
- ⑪ Earphones/headphones jack (👂)
- ⑫ Out jack (OUT)
- ⑬ DC in jack (DC IN 4.5 V ⬡-C-⬡)
- ⑭ Anti-shock memory switch (ANTI-SHOCK MEMORY)
- ⑮ Play mode selector (PLAY MODE)
- ⑯ Hold switch (HOLD)

Remote control **B**

- ⑰ Volume control (VOLUME)
- ⑱ Remote control button
- ⑲ Operation indicator (OPR)
- ⑳ Hold switch (HOLD)
- ㉑ Slider

Slide up to prevent entangling of the cord when the stereo earphones are not in use.



Power Source

Rechargeable batteries

Make sure that the batteries have been charged before use.

■ Recharging batteries **A**

1 Install two rechargeable batteries.

2 Connect the AC adaptor.
It takes about 3 hours to fully recharge them.

- When fully recharged, the unit can be used for about 2 hours 30 minutes with anti-shock memory off, or for about 2 hours with anti-shock memory on (when the unit is used at 25°C on a flat and stable surface). The play time may be shorter depending on the operating conditions.
- While recharging, the AC adaptor and rechargeable batteries may get warm. This is normal.

3 After completing recharging of the batteries, disconnect the AC adaptor from the DC in jack and the AC power outlet.

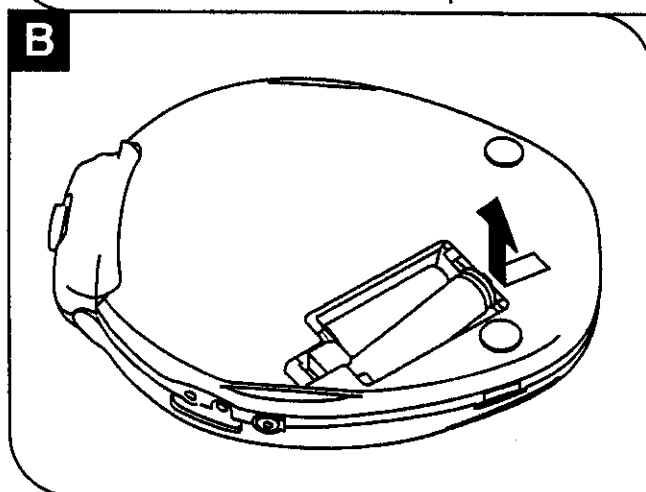
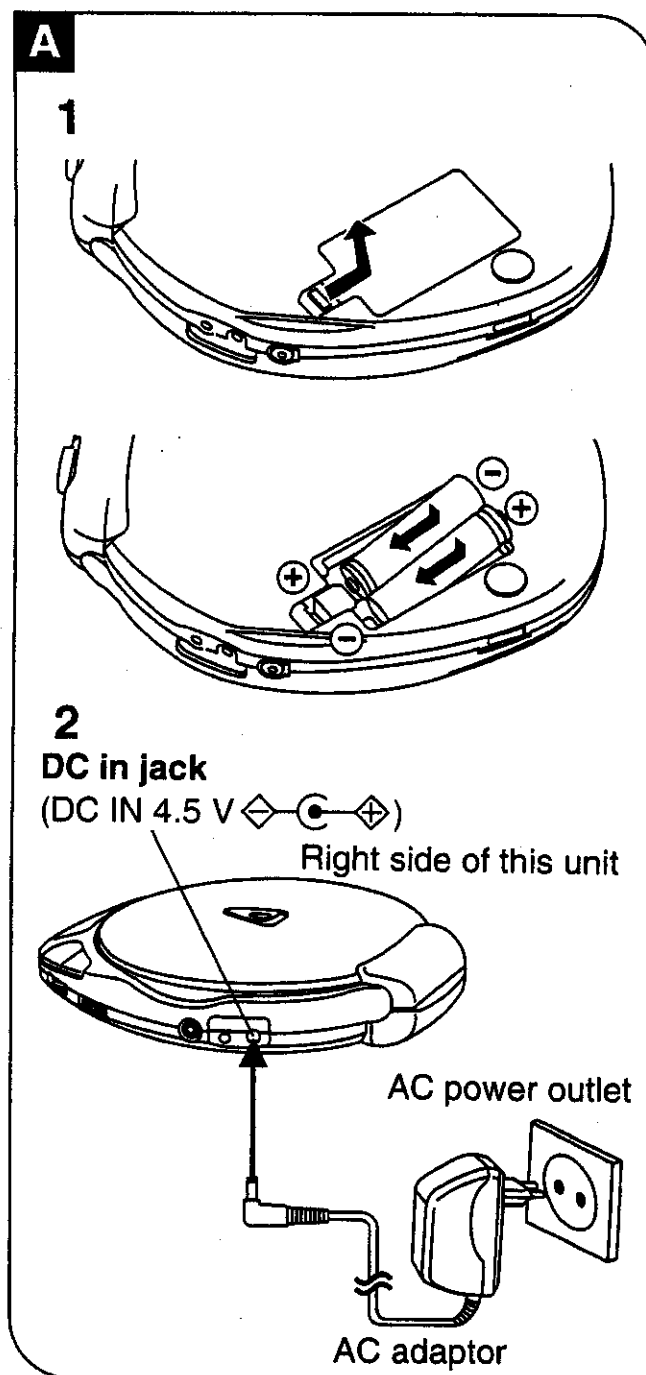
■ Battery removal **B**

Press and push up batteries in the direction of the arrow to remove them.

You can continue to recharge the same batteries for about 10 months (300 times). After that, their operating time will be shortened, and you will need to replace them.

Obtain new rechargeable batteries (SH-CDB8D) designed exclusively for the unit.

You can operate the unit with the AC adaptor while recharging the batteries, but it will lengthen the recharging time.



Power Source

For areas except Continental Europe, United Kingdom and Australia

If the power supply in your area is 110 V or 220 V, the time for complete recharging takes 5 hours, which is different from the time described in this booklet.

Dry cell batteries (not included)

Install two LR6 (UM-3) type alkaline batteries as shown in the figure. A

Make sure that the AC adaptor is disconnected from the AC power outlet and the unit. Two LR6 alkaline batteries will provide about 7 hours of playing time with anti-shock memory off, or about 4 hours of playing time with anti-shock memory on (when the unit is used at 25°C on a flat and stable surface). The play time may be shorter depending on the operating conditions.

■ Battery removal B

Press and push up batteries in the direction of the arrow to remove them.

Be sure to do this with the power off.

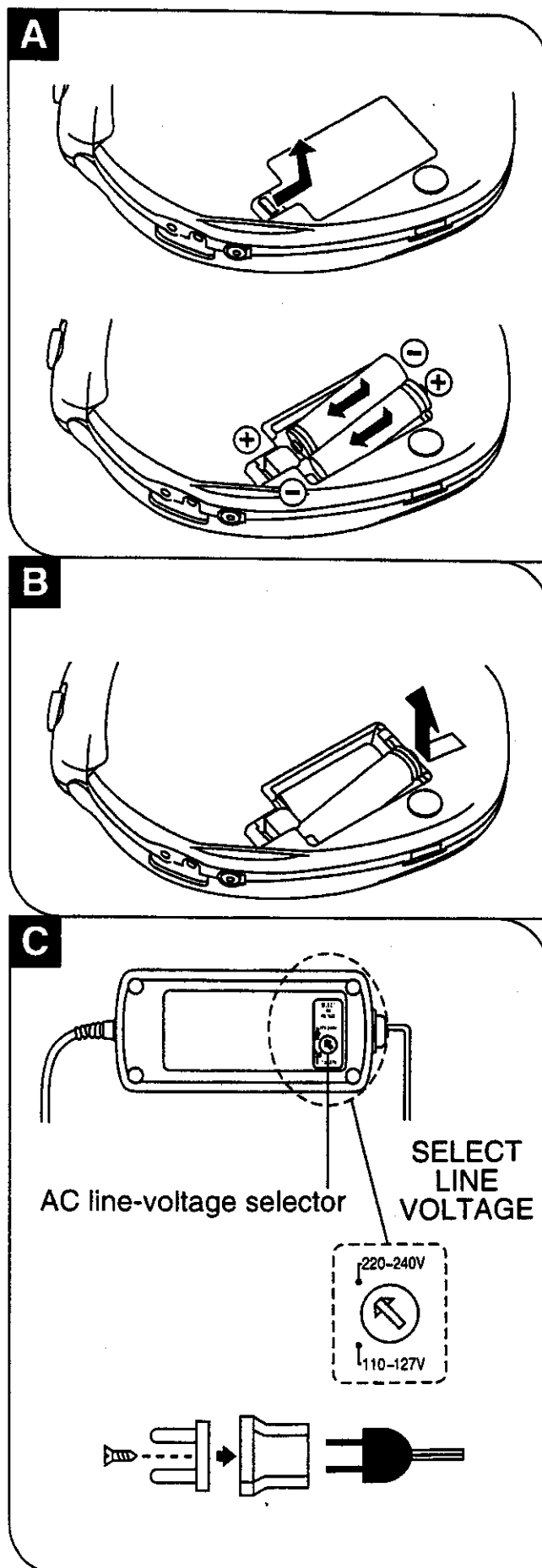
AC adaptor

Before use C

(For areas except Continental Europe, United Kingdom and Australia)

Make sure the preset voltage of your AC adaptor fits to your local voltage before plugging it into the AC power outlet. If it doesn't, turn the AC line-voltage selector with a screwdriver so that it corresponds to your local voltage.

If the power plug will not fit your socket, use the power plug adaptor.



Connect the AC adaptor. **A**

Use only the AC adaptor provided with this unit.

CAUTION

Do not use the AC adaptor provided with this unit for other products.

Note:

The unit is in the standby condition when the AC adaptor is connected. The primary circuit is always "live" as long as the AC adaptor is connected to an electrical outlet.

Car adaptor (not included)

CAUTION

Use only car adaptor, Model: SH-CDC9, manufactured by Matsushita Electric Industrial Co., Ltd.

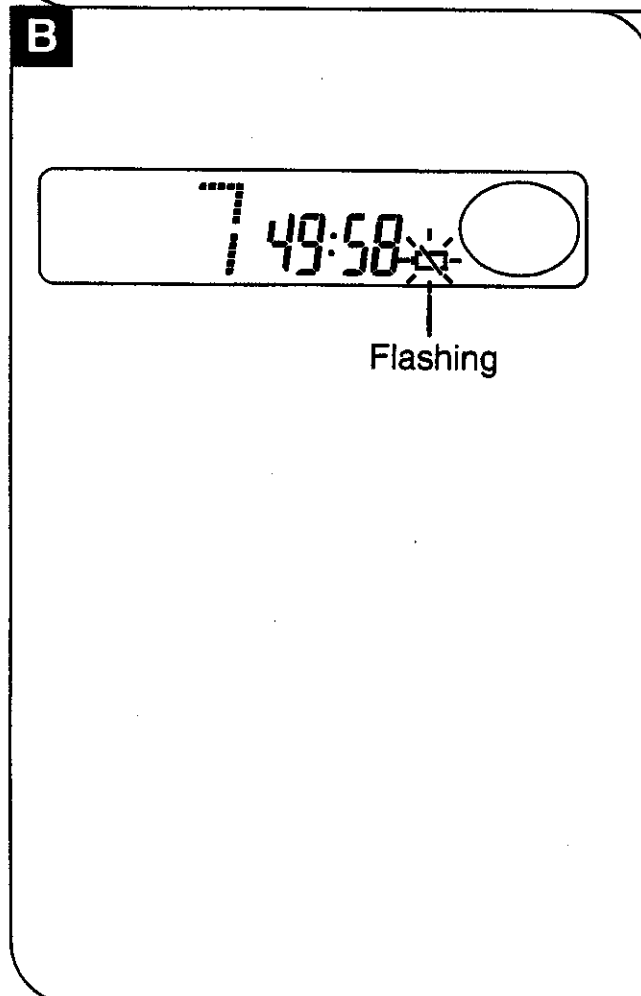
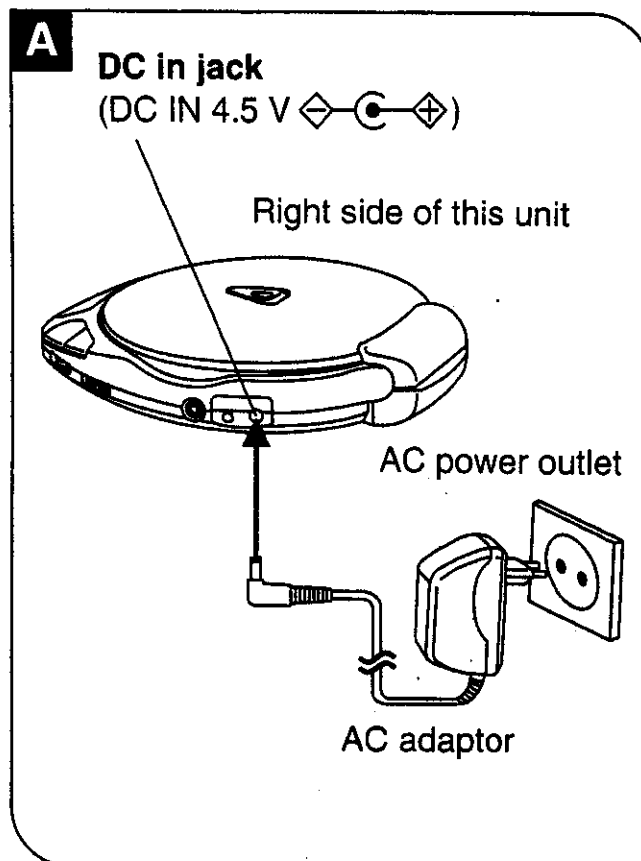
For installations details, refer to the operating instructions for the SH-CDC9. The rechargeable battery can be recharged with the car adaptor.

When the car adaptor or AC adaptor is used, the backlight of the display comes on.

Battery indicator **B**

The period during which the battery indicator flashes differs depending on the power source.

Type of battery	When the indicator flashes	Remedial action
Rechargeable batteries	The battery is fully-used.	In a short while the unit will be automatically turned off. Recharge the batteries.
Dry cell batteries	The battery is half-used.	Play is still possible while the indicator is flashing.



Accidental Operation Prevention Function

When this function is in use, the unit will not operate even if a control button is accidentally pressed. (The disc lid, however, can still be opened and closed.)

Use this function to prevent the following types of situations.

- While the unit is not in use, the power is turned on and the batteries become worn down.
- While the unit is in use, the music being played gets turned off.

There are hold switches on both the main unit and the remote control.

■ To use the accidental operation prevention function

Move the hold switch on the control source being used (i.e., the unit or the remote control) to the HOLD position, as shown in the diagram.

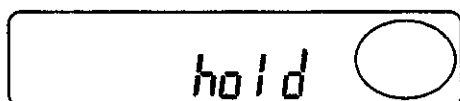
■ To cancel the accidental operation prevention function

Move the hold switch to the position opposite the HOLD position.

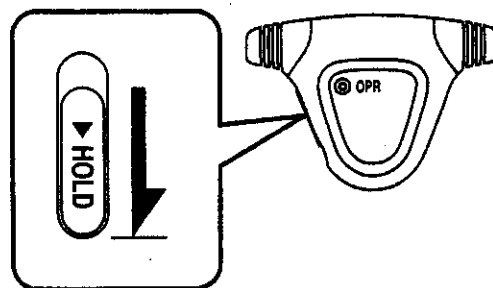
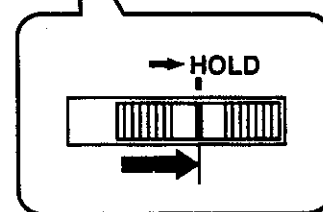
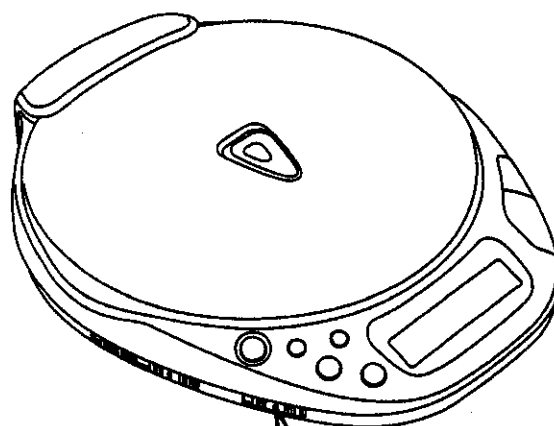
Before using the control buttons, be sure to release the unit from the **hold state**.

■ The HOLD indicator

If "hold" appears on the display when the control buttons on the main unit are pressed, this indicates that the unit is in the hold mode.

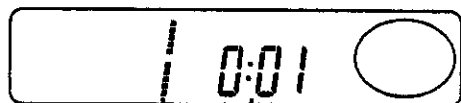


When the power is off, however, this indicator only appears when PLAY/PAUSE is pressed.



Listening to CD Tracks in Their Original Sequence (Normal Play)

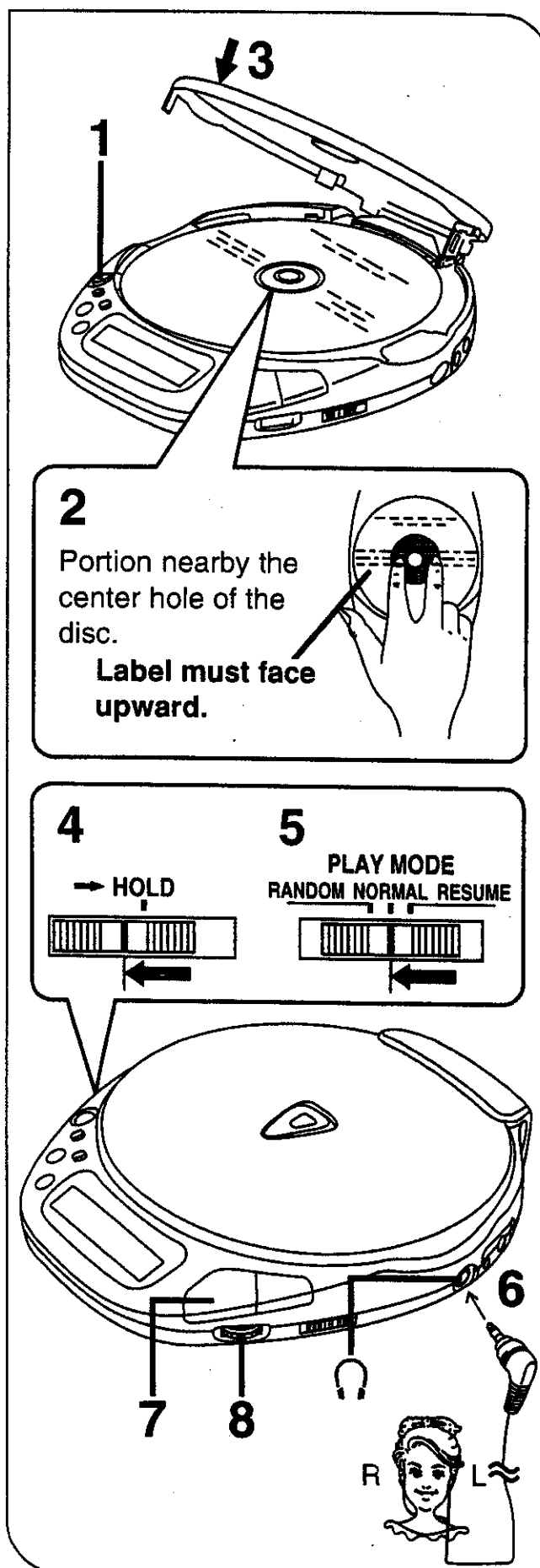
- 1 Press OPEN to open the disc lid.**
- 2 Insert the disc.**
Press the portion near the center hole of the disc until a "click" sound can be heard.
- 3 Close the disc lid.**
- 4 Release the unit from the hold state.**
- 5 Set PLAY MODE to NORMAL.**
- 6 Connect the plug of the stereo earphones with remote controller (included) to the earphones/headphones jack.**
(Plug in firmly.)
- 7 Press PLAY/PAUSE.**
This turns on the unit and begins the first track.



Track number Elapsed playing time
in play of each track

- 8 Adjust the volume level.**

The unit plays the tracks on the disc in order and stops automatically when the last track ends.



Listening to CD Tracks in Their Original Sequence

■ The “*OPEN*” display

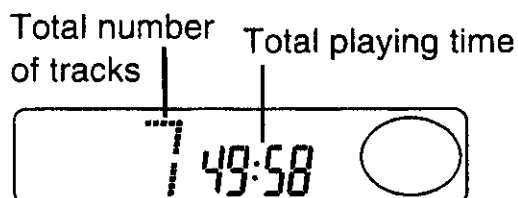
When the disc lid is opened, this indicator is displayed for about four minutes. It is not displayed, however, when the power is off.

■ The “*no disc*” display

When the PLAY/PAUSE button is pressed with no disc installed or with a disc improperly installed, this indicator is displayed for about 30 seconds.

■ To stop play **A**

Press **STOP/OPR OFF** in the play mode.



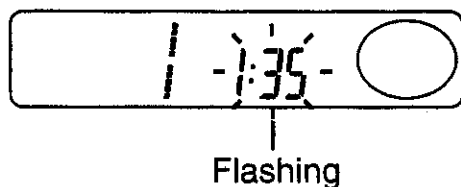
The disc will stop rotating, and the display will show the total number of tracks and total playing time on the disc.

To turn off the unit:

Press **STOP/OPR OFF** again.

■ To temporarily stop disc play **B**

Press **PLAY/PAUSE** in the play mode.

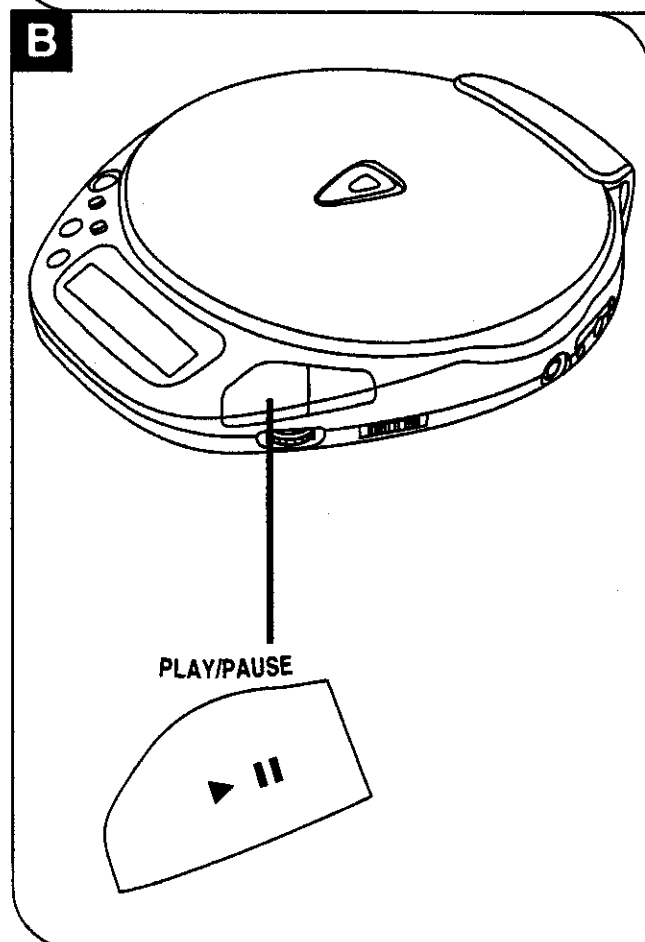
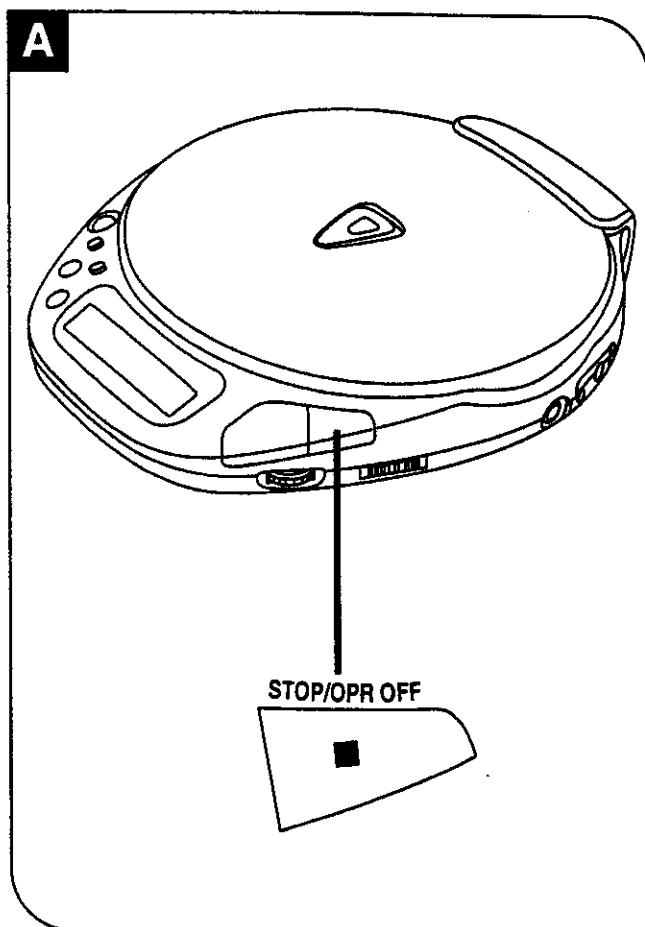


To resume play:

Press **PLAY/PAUSE** again.

Automatic Shut-Off

This function, in order to prevent rechargeable and other batteries to become worn down, causes the power to automatically shut off if you leave the unit in the stop mode or pause mode for about four minutes.



To skip tracks forward or backward (Skip function)

Press either of **-SKIP/-SEARCH**, **▶▶** or **◀◀** in the play mode.

▶▶ : The pickup skips forward one track each time you press the button.

◀◀ : When the button is pressed once, the pickup skips to the beginning of the track being played. If the button is pressed again quickly, the pickup skips backward one track each time you press the button.

(During random play, you can only skip pickup to the beginning of the track being played.)

- During program play, the pickup skips forward or backward in the programmed track sequence.

To search forward or backward (Search function)

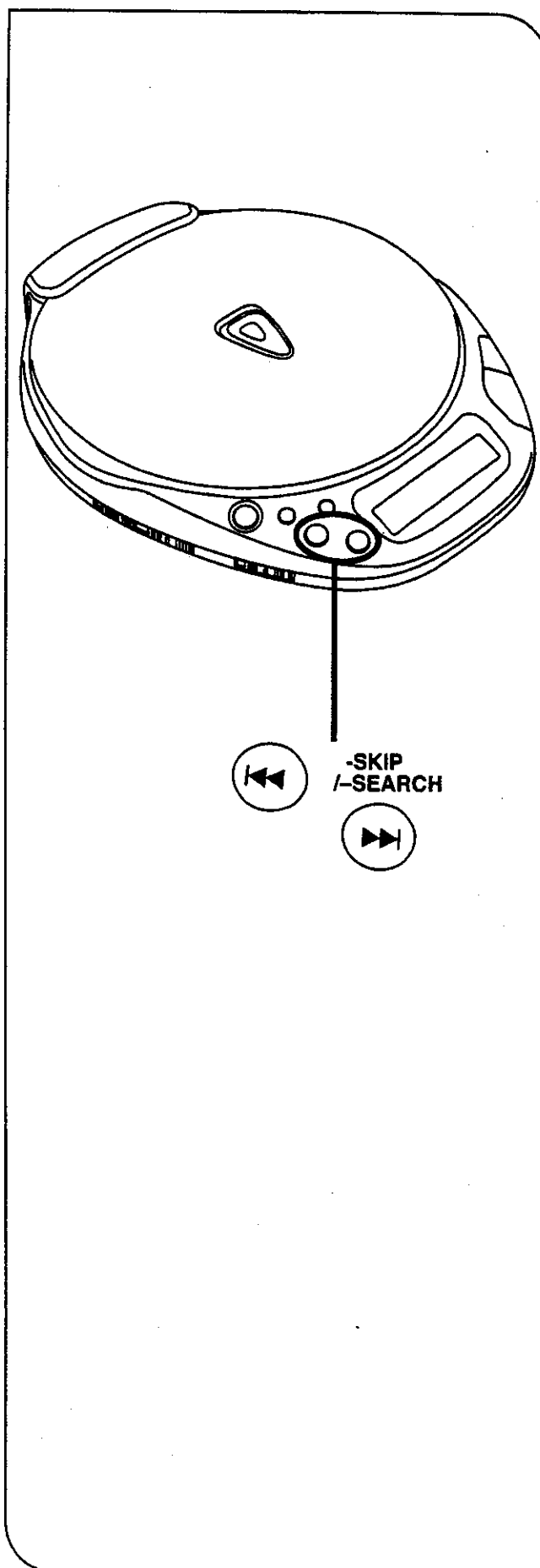
Press and hold **▶▶** or **◀◀** in the play mode.

▶▶ : To search forward

◀◀ : To search backward

Release the button when you reach the desired point.

- You can search slowly when either button is first pressed and quickly when it is then kept pressed down.
- In the program, random and one track repeat play mode, you can search forward or backward only within the current track.



Listening to CD Tracks in Their Original Sequence

To change the tone quality **A**

(When listening through the stereo earphones)

- For extra bass sound (S-XBS)

Set ASC/S-XBS to S-XBS.

- For a more dynamic and mellow sound

(Smoothed treble response and more dynamic bass)

Set ASC/S-XBS to ASC.

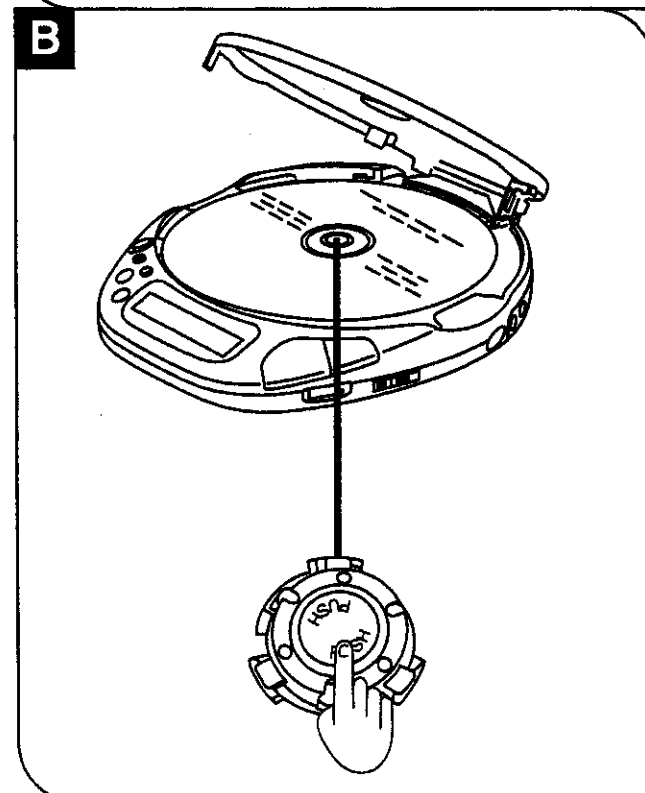
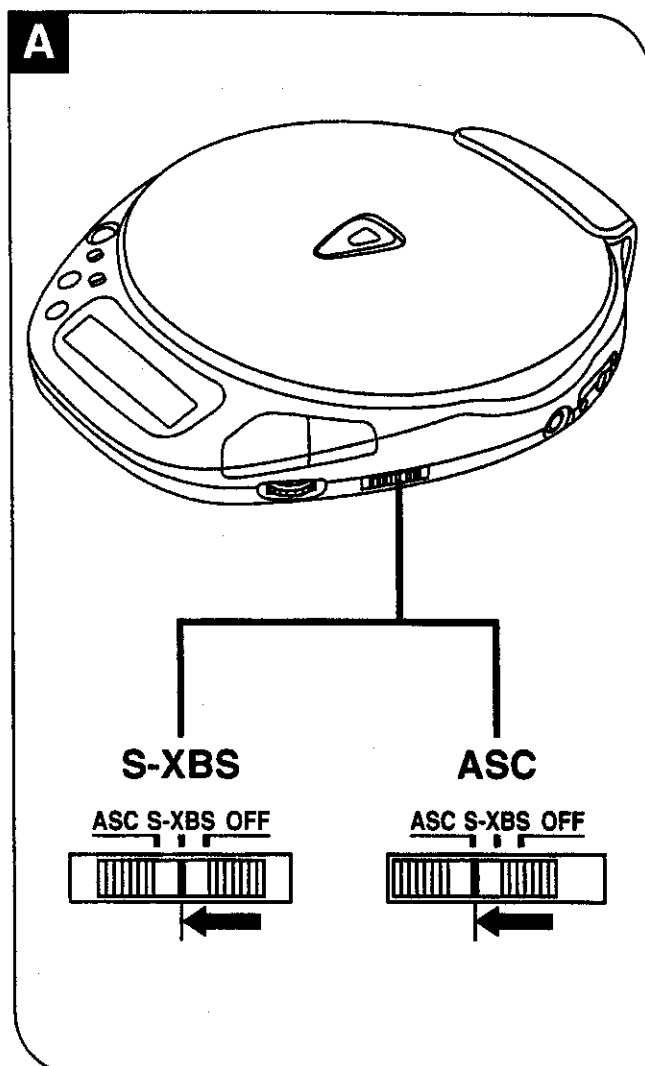
- To cancel the ASC/S-XBS mode

Set ASC/S-XBS to OFF.

To release the fixed state of the disc **B**

After the disc has stopped rotating, press OPEN to open the disc lid and press PUSH.

(Do not open the disc lid during play.)



Starting Play from a Specific Track (Skip Play)

Before operation:

- ① Release the unit from the hold state.
- ② Press **PLAY/PAUSE**.
- ③ Press **STOP/OPR OFF**.

For example:

To select track 3,

- 1 Set PLAY MODE to NORMAL.**
- 2 Press either of -SKIP/-SEARCH, ►► or ◀◀ until you reach the desired track.**
►► : To skip forward
◀◀ : To skip backward

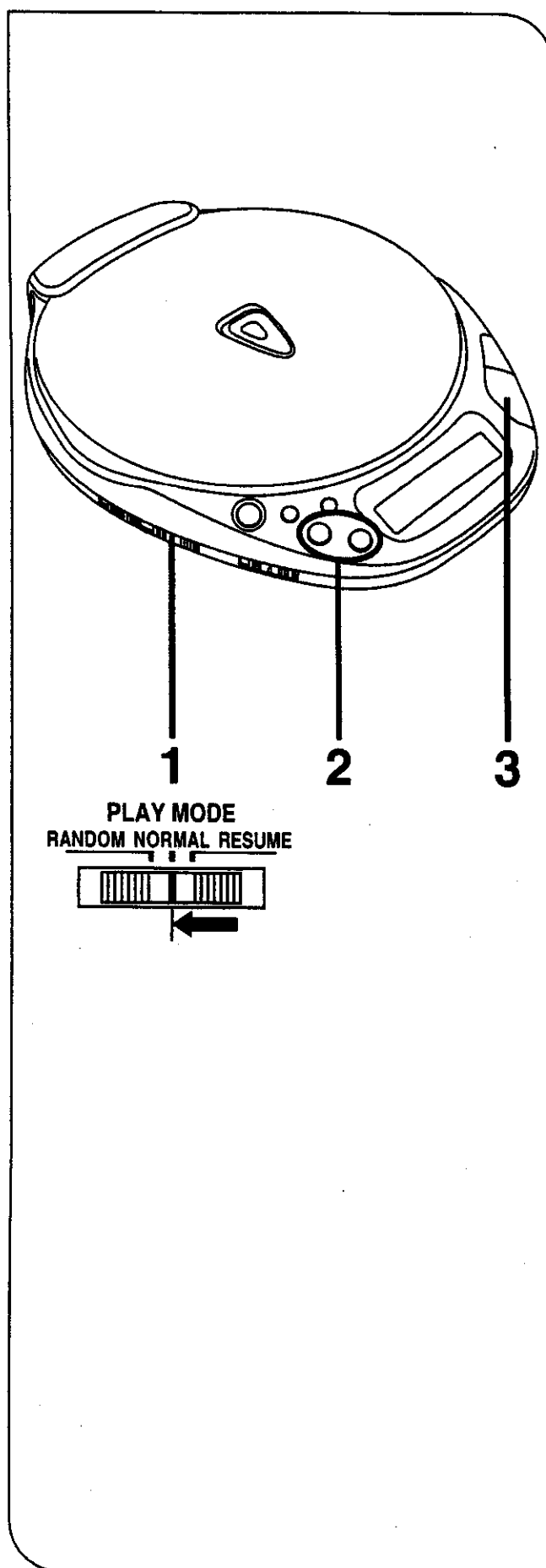


Track number

The pickup skips forward or backward as many tracks as the number of times you press the button.

- 3 Press PLAY/PAUSE.**

Play continues in the original sequence from the selected track to the final track and then stops automatically.



Playing Tracks in a Particular Sequence (Program Play)

With program play, you can program up to 24 tracks on the disc in any order you choose.

Before operation:

- ① Release the unit from the hold state.
- ② Press **PLAY/PAUSE**.
- ③ Press **STOP/OPR OFF**.

1 Set PLAY MODE to NORMAL.

2 Press ►► or ◄◄ to select the track number.

►► : To skip forward

◄◄ : To skip backward

For example:

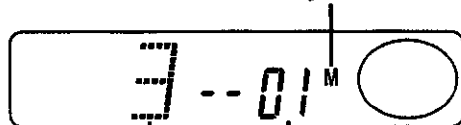
To select track 3, press ►► 3 times.



Track number

3 Press MEMORY/RECALL to memorize the selected track number.

Memory indicator

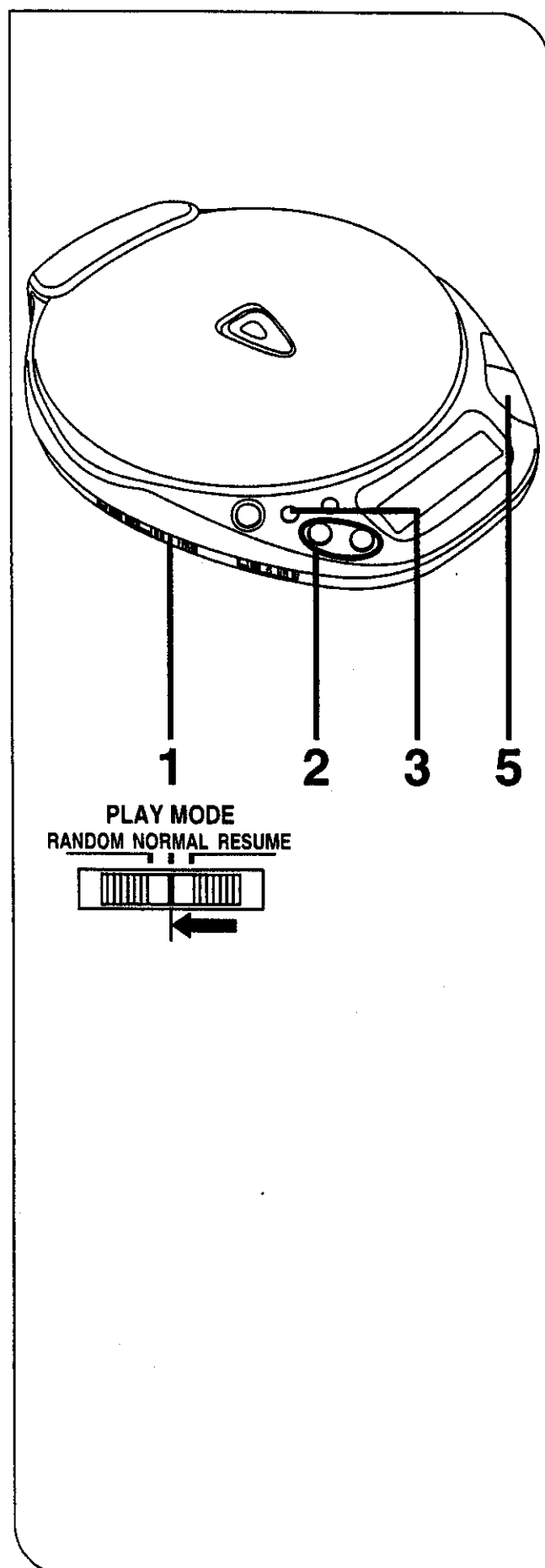


Track number Program order

4 Repeat steps 2 and 3 until you have completed the desired program.

5 Press PLAY/PAUSE.

When all the programmed tracks have been played, the unit will automatically stop.



■ **To program the same track repeatedly**

Press **MEMORY/RECALL** repeatedly after step 3.

■ **When the "F" (full) indication is displayed**

No further tracks can be programmed.

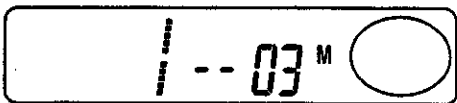
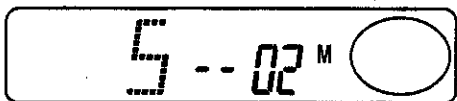
To confirm the program A

Press **MEMORY/RECALL** once during play.

The display shows the programmed track numbers in the sequence you have entered.

For example:

The diagram below shows a program consisting of tracks 3, 5 and 1.



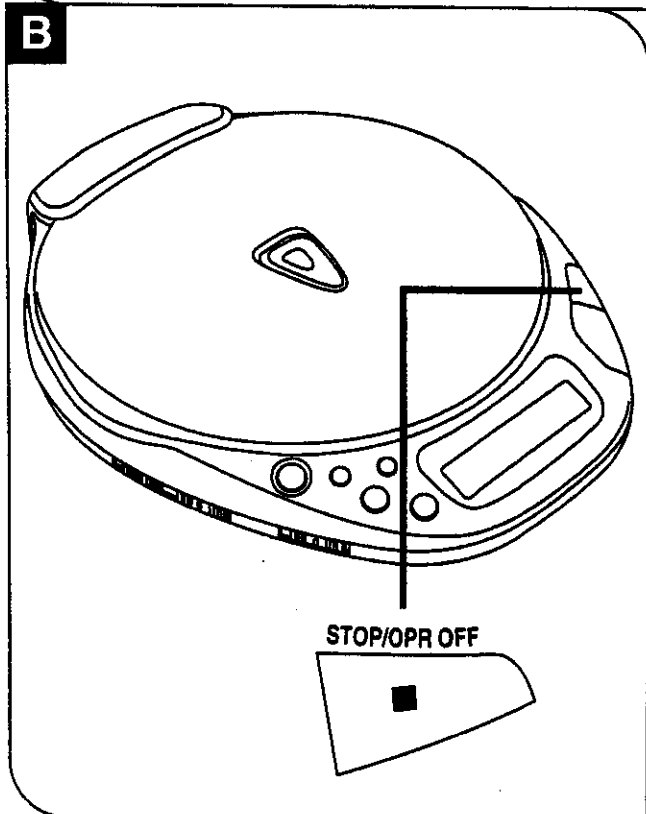
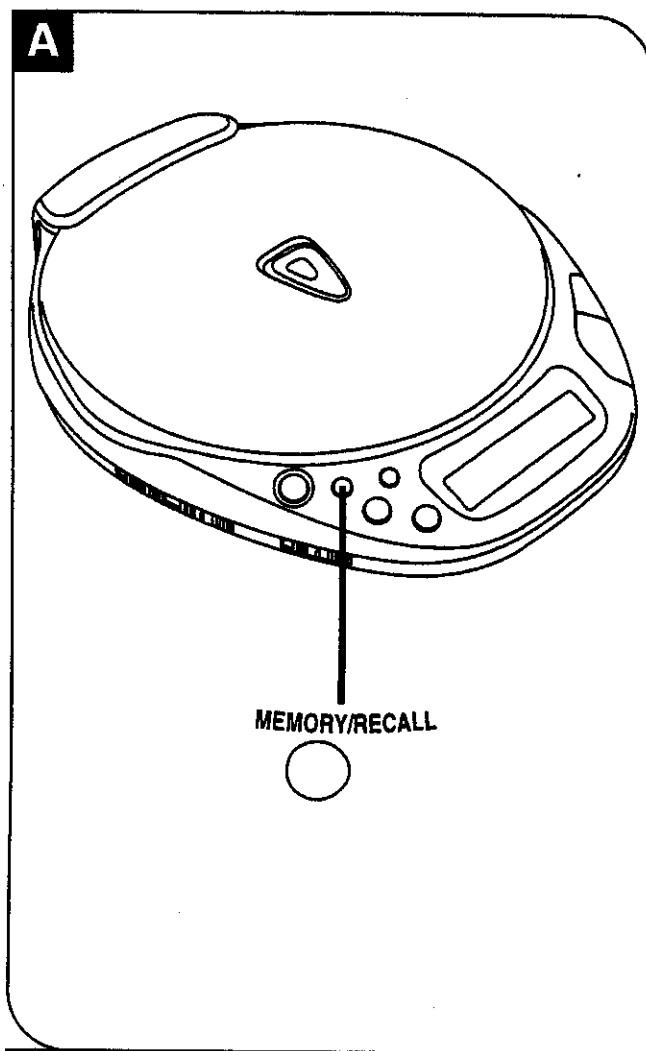
Restored to initial display

To cancel the program play B

Press **STOP/OPR OFF**.

For your reference:

After all tracks have been played, the programmed selections will all be cleared from the memory.



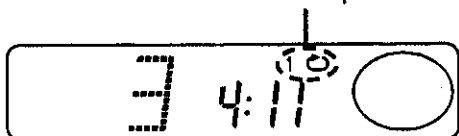
Playing Tracks Repeatedly (Repeat Function)

Before operation, release the unit from the hold state.

To repeat only one track

Press **REPEAT** once in the play mode.

One track repeat indicator



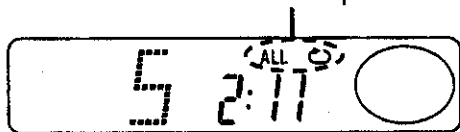
In the stop mode:

Perform skip play after pressing **REPEAT**.
(See page 15.)

To repeat all tracks on the disc

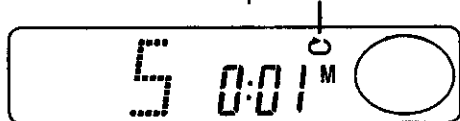
Press **REPEAT** twice in the play or stop mode.

All tracks repeat indicator



In the program play mode, all the programmed tracks will be repeated.

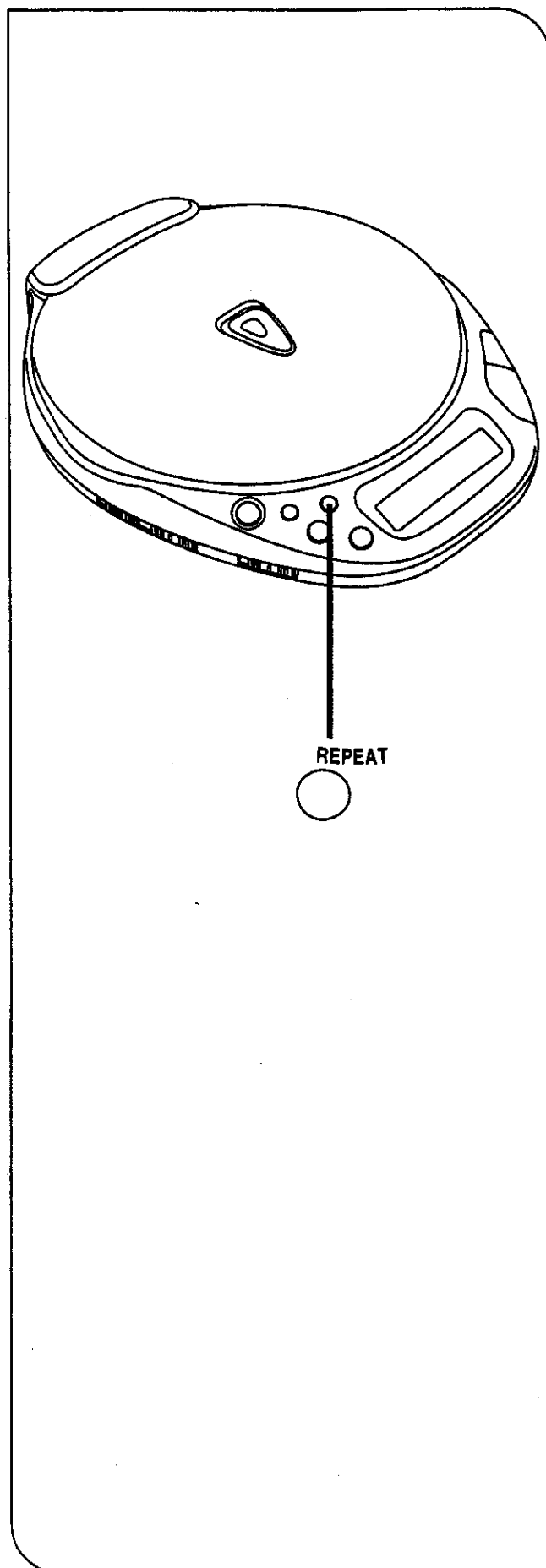
Repeat indicator



■ To cancel the repeat function

Press **REPEAT** once in the all tracks repeat mode.

Each time you press **REPEAT**, the repeat function will change as follows.



Playing Tracks in a Random Sequence (Random Play)

Before operation, release the unit from the hold state.

1 Set PLAY MODE to RANDOM.

2 Press PLAY/PAUSE.



Random indicator

The unit will stop automatically when the last random selection finishes playing.

■ To cancel the random play

Set PLAY MODE to NORMAL.

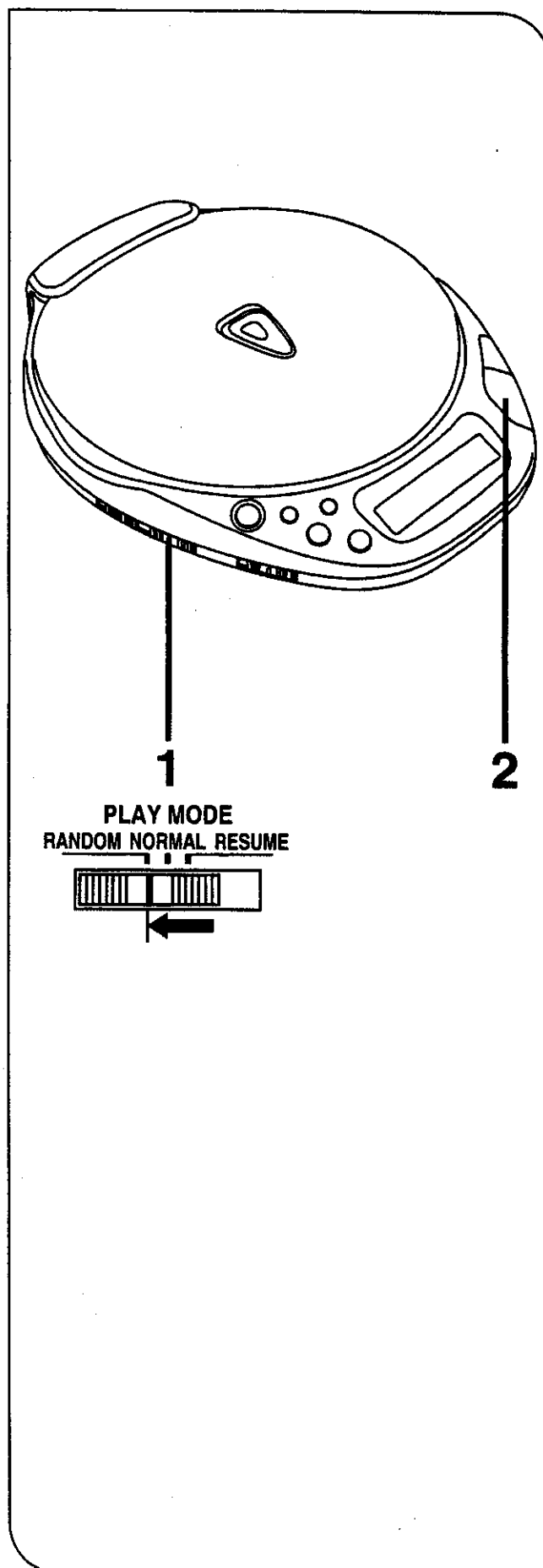
The unit will return to sequential play after the current track has finished.

Note:

You cannot use program play in the random mode. (See pages 16–17.)

For your reference:

You can select the first track using -SKIP/-SEARCH ►► in the stop mode. (All the tracks are played no matter which track is played first.)



Resuming Play from the Track Played Last (Resume Function)

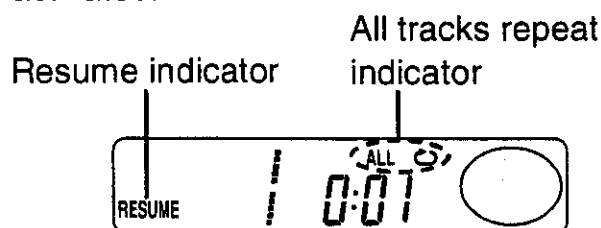
When you set PLAY MODE to RESUME, the unit resumes play from the track that was playing when the unit stopped or was turned off. This is useful when playing a disc inside a car.

Before use, release the unit from the hold state.

Set PLAY MODE to RESUME.

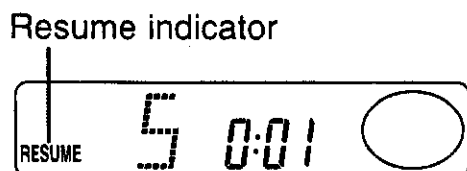
In the OFF mode:

If you set PLAY MODE to RESUME, the all tracks repeat function will be automatically activated.



In the play or stop mode:

If you set PLAY MODE to RESUME, the all tracks repeat function will not be activated.



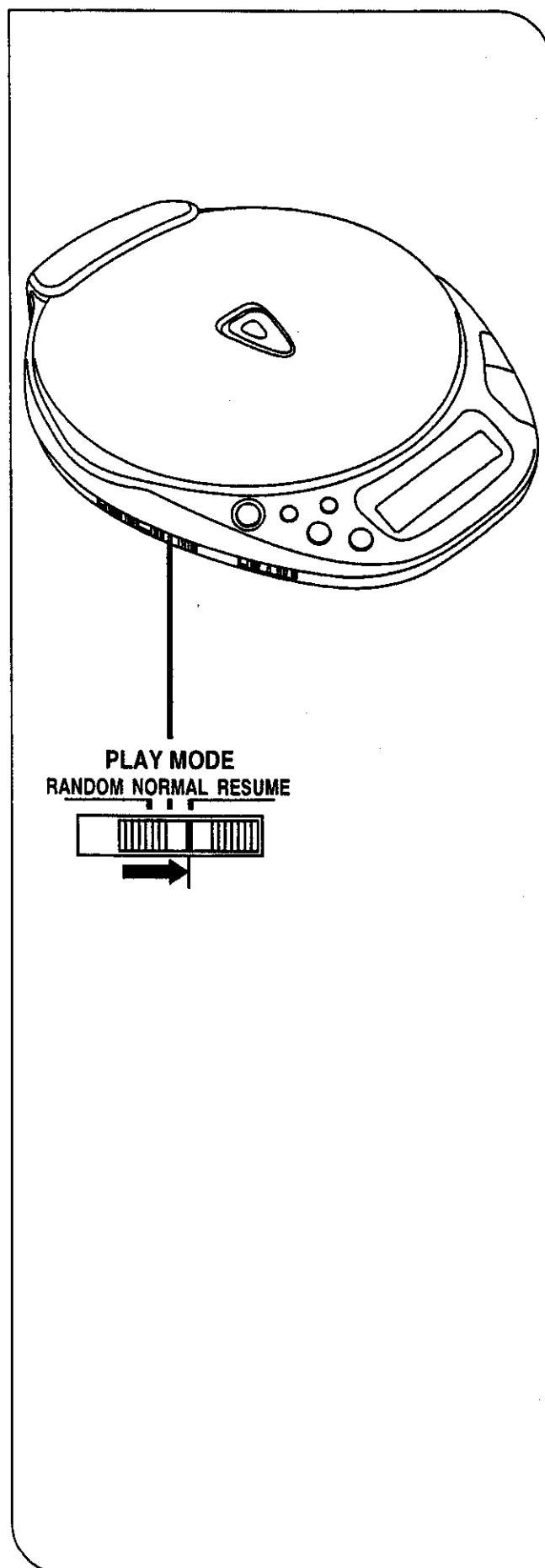
The all tracks repeat function is automatically activated when play is resumed after the unit has been switched off.

■ To cancel the resume mode

Set PLAY MODE to NORMAL.

Notes:

- Play may start with the next track if previous play stopped near the end of a track.
- When a track is being played, if the power is turned off and another disc is inserted, the position of the track last played is still in the memory, and play will start at the same position among the tracks on the newly inserted disc.



Anti-Shock Memory Function

This function reduces the number of sound jumps which result from vibrations when listening to the unit while walking, riding in a car or train, etc.

When the anti-shock memory is in use, a maximum of about three seconds of playback data can be stored. As a result, even if the unit is jolted, the stored data is utilized, and interruptions during playback are minimized.

Before operation, release the unit from the hold state.

1 Set ANTI-SHOCK MEMORY to ON.

2 Press PLAY/PAUSE.

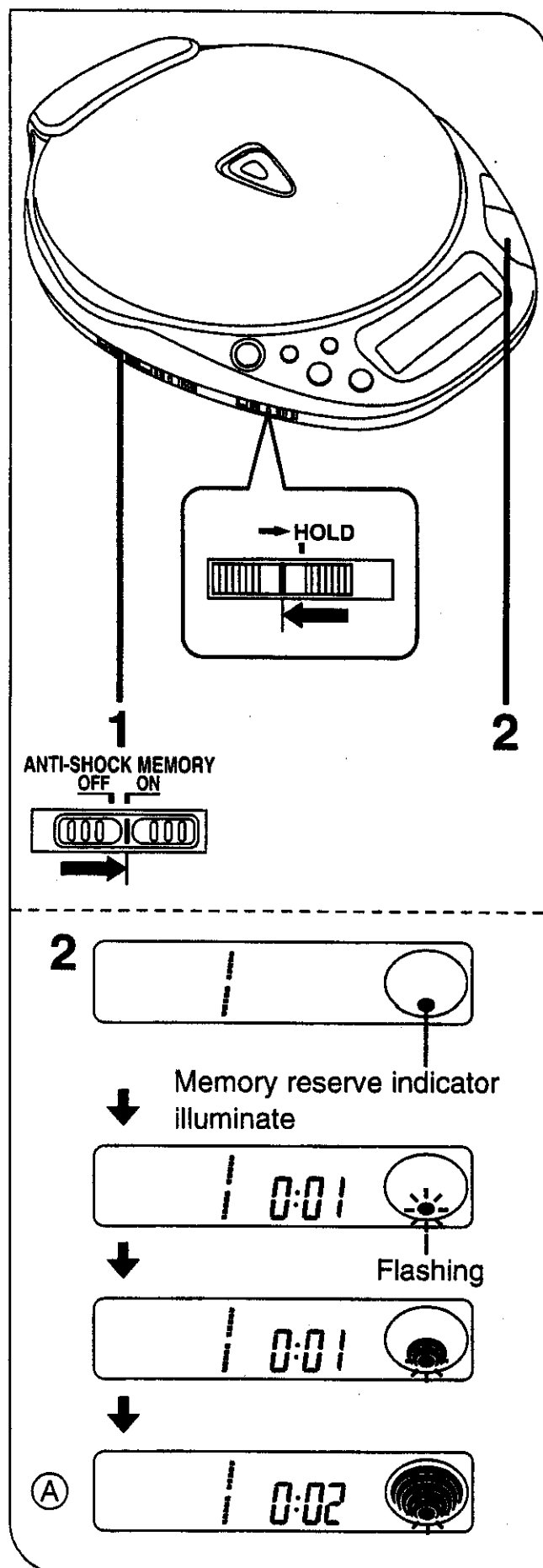
Storage of playback data begins, and the memory reserve indicator displays the data storage volume.

When the display shown in ① is achieved:

This indicates that a sufficient amount of playback data has been stored.

■ To cancel the anti-shock memory function

Set ANTI-SHOCK MEMORY to OFF.



Anti-Shock Memory Function

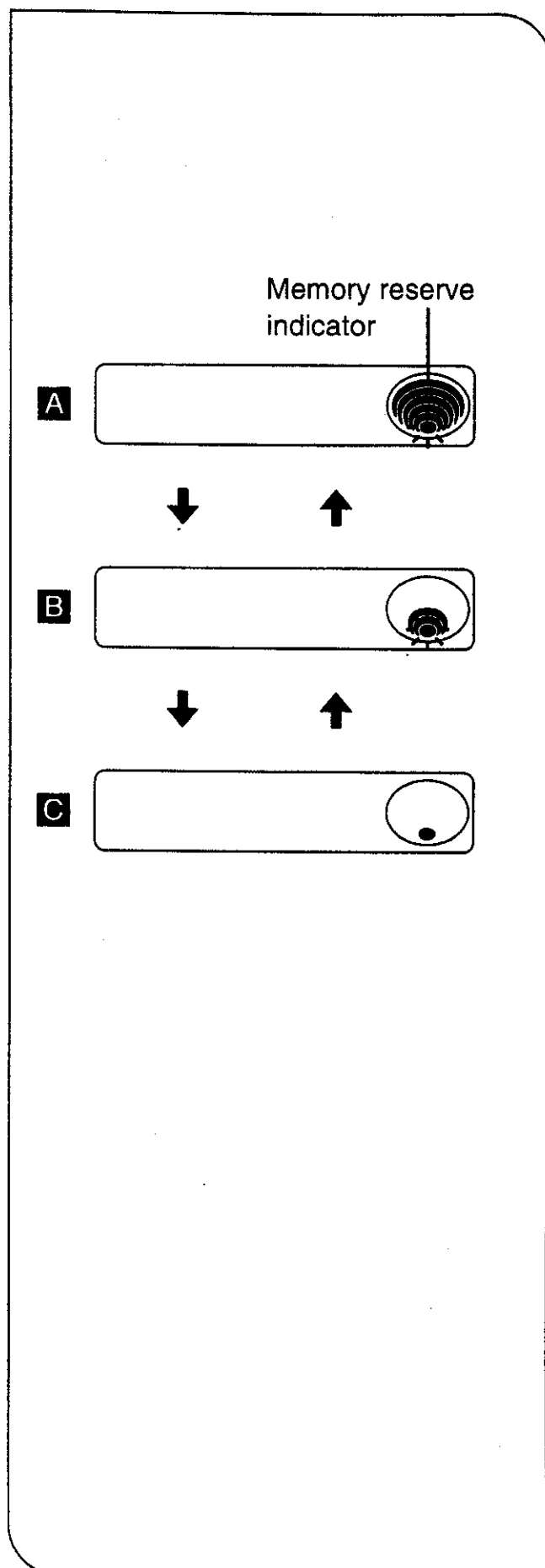
■ The memory reserve indicator

This indicator varies based on the state of the unit.

	State of Unit	State of Playback (State of Playback Data)
A	Stable	●Normal (Sufficient amount of data is stored)
B	Unit jolted	●Normal (Stored data is utilized)
	Jolt dies down	●Normal (Data storage is begun)
C	Unit repeatedly jolted	●Interruptions occur (Data is used up)

Notes:

- When anti-shock memory is operating, the disc rotation speed increases in order to store playback data, causing a decrease in battery life and a slight increase in the sound of the rotating disc.
- The anti-shock memory switch can be re-positioned during playback, but due to the resulting change in the disc's rotation speed, a short interruption will be heard.
- When using functions such as random and repeat, it may not be possible to activate the anti-shock memory function during the last three seconds of a track.



Using the Remote Control

Using the provided stereo earphones, a variety of operations can be performed by hand using a single button.

Before operation, release the remote control from the hold state (as shown in the diagram).

■ To use the remote control (see diagram at lower right)

The remote control can be operated regardless of the hold mode of the unit.

■ The operation (confirmation) tone

An operation tone ("Beep") sounds whenever the remote control button is pressed. In addition, a confirmation tone sounds following every operation (see diagram at lower right).

- When pressing the remote control button two or three times, do so as quickly and evenly as possible.
- When the button is pressed three times and then three times again, the unit will skip to the beginning of the previous track.

(When the play mode switch on the unit is in the RANDOM position, however, this operation is not possible.)

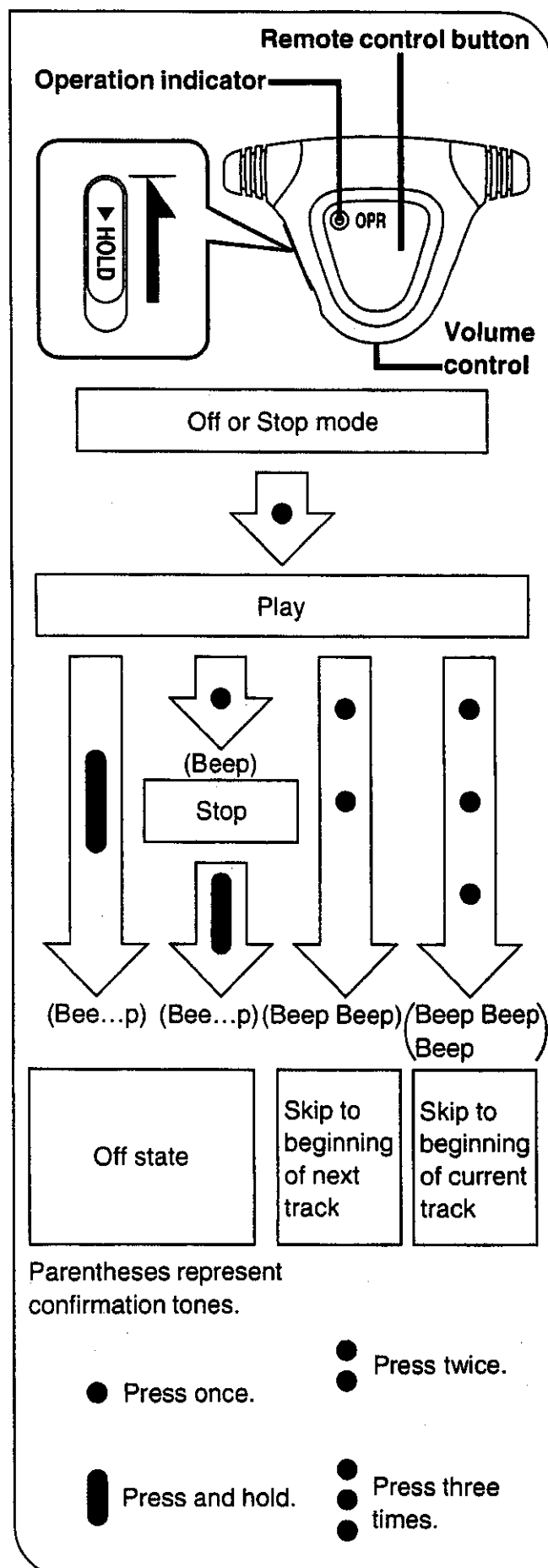
■ To adjust the volume

When adjusting the volume using the remote control, position the volume control on the unit to between 5 and 7.

■ OPR indicator

This indicator is illuminated when the unit is playing a track, and flashes when the unit is halted.

It is not illuminated when the power is off.



Using the Unit with Optional Accessories

Listening through an audio system **A**

Discs can be played as part of an audio system by connecting the portable CD player to the system using the stereo connection cable (included).

- Before connecting the portable CD player to your audio system, make sure to turn off the power on all other system components.
- Do not connect the cable to the turntable (PHONO) connectors on the amplifier.
- If you have an amplifier which is equipped with mini phone jack, obtain the optional connecting cable (RP-CA102A).

Using the unit together with a car audio system **B**

The car kit, available as an optional accessory, makes it possible to listen to CDs in a car.

The structure of the cassette adaptor may not allow connection to some car stereo systems.

■ What should be purchased

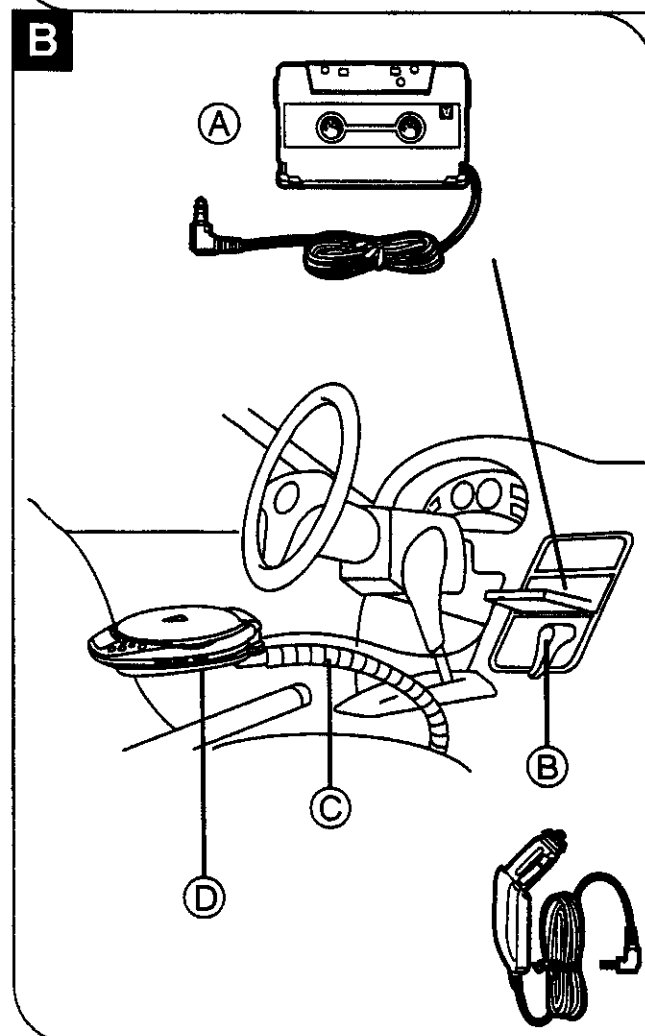
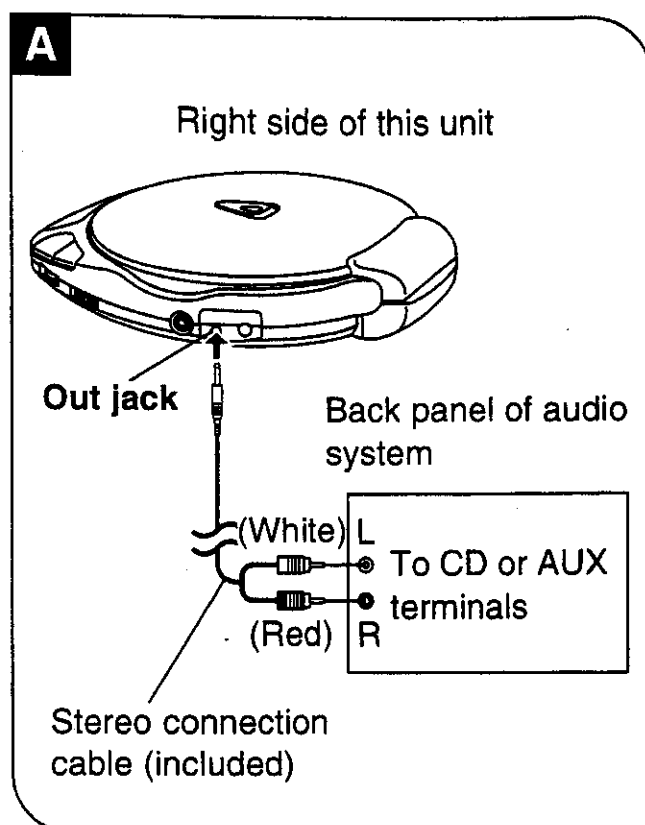
For connection to the car audio system:

Car stereo cassette adaptor (SH-CDM9) **(A)**

For securing the unit and connecting the power supply:

- Car adaptor (SH-CDC9) **(B)**
- Car mounting arm **(C)**, Car mounting base **(D)** (SH-CDF20)

For further details, refer to the Operating Instructions of the respective products.



Concerning Compact Discs

Only compact discs having this mark can be used with this unit. **A**

To remove a disc from its case **B**

Press the center holder and lift the disc holding by the edges.

To hold the disc **C**

Hold the disc by the edges so the surface is not soiled with fingerprints. Fingerprints, dirt and scratches can cause skipping and distortion.

To store a disc in its case **D**

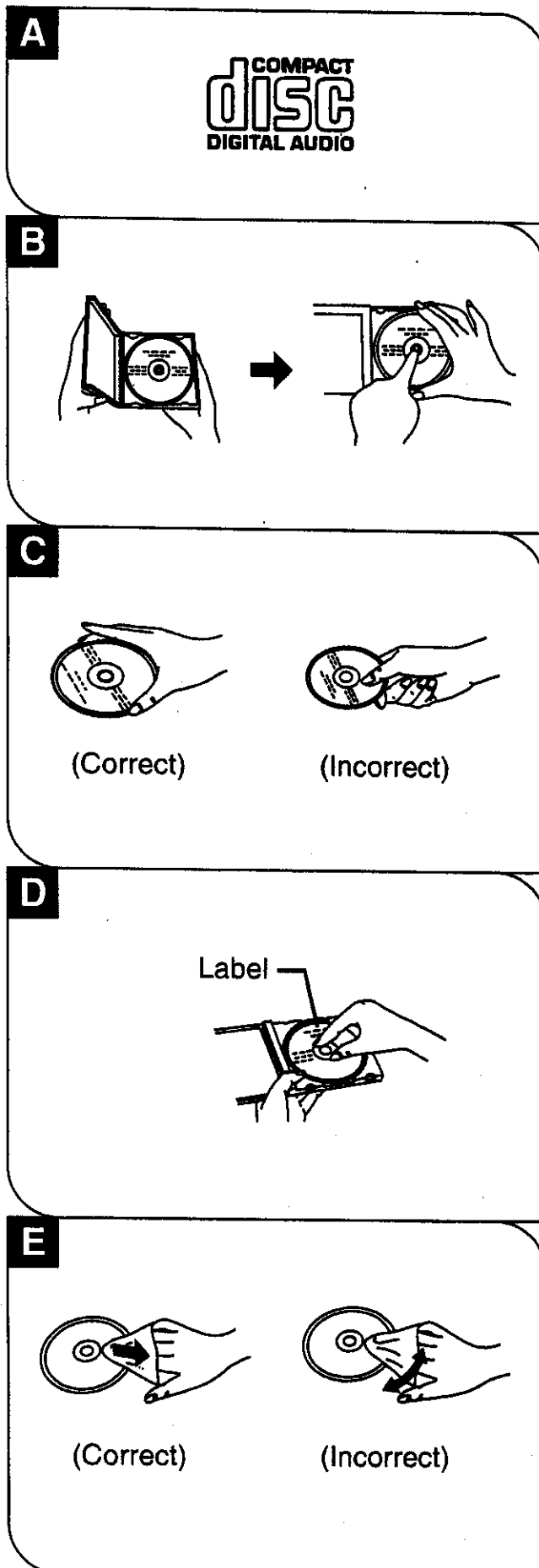
Insert the disc with the label facing upwards and press downwards at the center.

If the surface is soiled **E**

Wipe gently with a soft, damp (water only) cloth.

If the disc is brought from a cold to a warm environment, moisture may form on the disc

Wipe this moisture off with a soft, dry, lint-free cloth before using the disc.



Concerning Compact Discs

Improper disc storage:

You can damage discs if you store them in the following places:

- Areas exposed to direct sunlight
- Humid or dusty areas
- Areas directly exposed to a heat outlet or heating appliance

Handling precautions:

- Do not write on the label side with a ball-point pen or other writing utensils.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not soil with fingerprints.

Maintenance

Lens care

A soiled lens will cause audible skipping. Disc play may not be possible if the lens is seriously soiled.

Be sure to turn the unit off. When using the AC adaptor, disconnect it before cleaning.

Open the disc lid and clean the lens as shown in the figure.

Use a cotton swab to clean away fingerprints, etc., on the lens.

Cleaning kit (SZZP1038C, not included) for dust on the lens

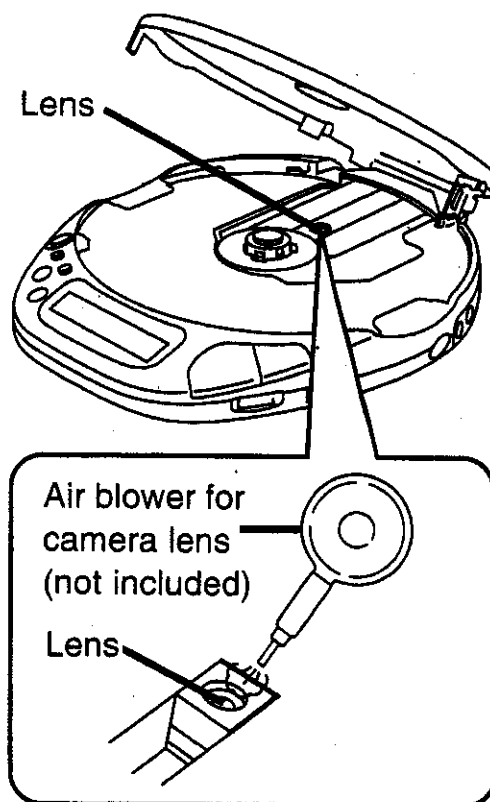
Main unit

Clean it with a cloth, dampened in a mild solution of soap and water.

Do not clean the cabinet with benzine or thinner.

Avoid excessive moisture.

Avoid spray aerosol type cleaner. Some cleaners contain corrosive chemicals that may cause internal damage and cabinet deformity.



Cautions

Rechargeable batteries

- Do not use the rechargeable batteries accompanying this unit with any other product.
- Only the RP-BP60 batteries can be recharged.
- If the power supplied by the batteries lasts for only a very short time even after recharging this, it means that the batteries are reaching the end of their service life. Do not use them any more.
- Recharging for more than 24 hours will reduce battery life.
- When recharging the batteries for the first time or when recharging them after they have not been used for a long period of time, the play time may be shorter than usual. If this is the case, repeatedly recharge the batteries after use. This will restore them to their normal operational state.
- Recharging should be performed at 0°C–40°C.
- Do not allow any metal objects to touch the terminals of the rechargeable batteries, as this may cause short-circuiting which is dangerous.

Dry cell batteries/ Rechargeable batteries


- Do not mix old and new batteries, or batteries of different types (carbon and alkaline, etc.).
- Always remove old, weak or worn-out batteries promptly and dispose of them properly.
- Never subject batteries to excessive heat or flame; do not attempt to disassemble them; and be sure they are not short-circuited.
- If you will not use this unit for a long period of time, remove the batteries and store them in a cool, dark place.
- If a battery leaks, remove all batteries and dispose of them properly.
- Thoroughly clean the battery compartment before inserting new batteries.
- If leaking electrolyte comes into contact with skin or clothes, wash it off with water immediately.
- Keep batteries out of the reach of children.
- Do not attempt to recharge alkaline or carbon batteries.


To carry dry cell batteries and rechargeable batteries around

When batteries are placed inside a pocket or bag, do not put them together with necklaces or other metal objects. Contact may cause short-circuiting and generate heat.

AC adaptor

- **Use only the AC adaptor provided with this unit.**

The power source polarities of the AC adaptor provided with this unit and optional car adaptor (SH-CDC9) are  (polarized plug provided).

Bear in mind that the polarities of some adaptors on the market may differ ().

- If you use the unit with the AC adaptor for a long period of time, take out the rechargeable batteries or dry cell batteries to preserve their service life and prevent leakage of the electrolyte.
- If you will not use the unit with the AC adaptor for a long period of time, disconnect it from the AC power outlet.

Precautions for Listening with the Headphones

- Do not play your headset at a high volume. Hearing experts advise against continuous extended play.
- If you experience a ringing in your ears, reduce volume or discontinue use.
- Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
- Even if your headset is an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Troubleshooting Guide

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions.

Problem	Probable cause(s)	Suggested remedy
The disc lid does not close.	The disc is not fixed properly.	Fix the disc properly.
The unit will not play.	The hold switch is set to HOLD.	Release the hold state.
	Moisture has formed inside the unit.	Allow the unit to dry for about one hour before using.
The disc in the unit does not play.	The disc will not fit into the pivot.	Push the disc gently until it clicks.
	The disc is scratched.	Replace the disc with a new one.
	The disc is not within specified standards.	Exchange the disc for another one.
The disc in the unit cannot be removed.	The disc is fixed.	Open the disc lid and press PUSH.
A certain music passage won't play correctly.	The disc is dirty.	Wipe the disc with a soft cloth.
	The disc is scratched.	Replace the disc with a new one.
There is noise from the tuner or disturbance on the TV screen.	Caused by high-frequency signals of this unit.	Use the unit farther away from the tuner or TV.
		If the tuner or TV antenna is the indoor type, use an outdoor antenna.

Specifications

Audio

No. of channels: 2 (left and right, stereo)

Frequency response: 20–20,000 Hz
(+0.5 dB, –1.5 dB)

Output voltage: 0.7 V (50 k Ω)

S/N: more than 96 dB*

Wow and flutter: Below measurable limit

DA converter: 1 bit, MASH

Headphone output level: Max. 5 mW+5 mW/
16 Ω (variable)

Pickup

Light source: Semiconductor laser

Wavelength: 780 nm

Lens: Glass pressed lens

General

Power supply: DC 4.5 V

Power consumption:

Type of power supply	Anti-shock memory OFF/ON
AC adaptor	3.7 W/4.3 W
Battery	0.6 W/1.0 W

Dimensions

(W×H×D): 140×30.9×
172.1 mm

Weight: 335 g (with batteries)
295 g
(without batteries)

*These specifications were measured with anti-shock memory in the off state.

Note:

Specifications are subject to change without notice.

Weight and dimensions are approximate.

MASH is a trademark of NTT.

For United Kingdom only

This apparatus was produced to BS 800.